Claims

- [1] 1. The styrenic thermoplastics composition comprising: 100 parts by weight of a resin comprising 10-50 parts by weight of a graft copolymer comprising rubber-modified styrene and 30-70 parts by weight of a copolymer comprising styrene; and 0.5-20 parts by weight of an acrylic rubber-modified copolymer having a rubber particle size ranging from 800 to 6,000 Å. [2] 2. The styrenic thermoplastics composition of claim 1, wherein the graft copolymer comprising rubber-modified styrene comprises: 30-65 parts by weight of at least one selected from the group consisting of styrene, α -methylstyrene, p-methylstyrene, vinyltoluene and t-butylstyrene; 10-30 parts by weight of at least one selected from the group consisting of acrylonitrile, methacrylonitrile and ethacrylonitrile; and 10 - 60 parts by weight of a rubber. [3] 3. The styrenic thermoplastics composition of claim 2, wherein the rubber is polybutadiene, styrene-butadiene copolymer, polyisoprene or butadiene-isoprene copolymer having a particle size ranging from 500 to 4,000 Å. [4] 4. The styrenic thermoplastics composition of claim 1, wherein the copolymer comprising styrene comprises: 50-90 parts by weight of at least one selected from the group consisting of styrene, a -methylstyrene, p-methylstyrene, vinyltoluene and t-butylstyrene; and 10-50 parts by weight of at least one selected from the group consisting of acrylonitrile, methacrylonitrile and ethacrylonitrile. [5] 5. The styrenic thermoplastics composition of claim 1, wherein the copolymer comprising styrene has a weight-average molecular weight ranging from 50,000 to 200,000. [6] 6. An extrusion sheet manufactured from the styrenic thermoplastics composition of claim 1. [7] 7. An acrylic rubber-modified copolymer comprising: 5 - 15 parts by weight of a seed polymerized from an alkyl acrylate; 45-75 parts by weight of a core polymerized from an alkyl acrylate; and 10-50 parts by weight of a shell polymerized from an alkyl methacrylate and/or an alkyl acrylate.
- [8] 8. The acrylic rubber-modified copolymer of claim 7, wherein the seed

comprises 95.0-9995 wt% of an alkyl acrylate having 2-8 carbon atoms in the alkyl group. [9] 9 The acrylic rubber-modified copolymer of claim 7, wherein the core comprises 95.0-9995 wt% of an alkyl acrylate having 2-8 carbon atoms in the alkyl group. 10. The acrylic rubber-modified copolymer of claim 7, wherein the shell [10] comprises: 90-100 wt% of an alkyl methacrylate having 1-4 carbon atoms in the alkyl group; and 0 - 10 wt% of an alkyl acrylate having 1-4 carbon atoms in the alkyl group. [11]11. The acrylic rubber-modified copolymer of claim 8 or claim 9, wherein the alkyl acrylate is at least one selected from the group consisting of methyl acrylate, ethyl acrylate, propyl acrylate, isopropyl acrylate, butyl acrylate, hexyl acrylate, octyl acrylate, 2-ethylhexyl acrylate, homopolymers thereof and copolymers thereof. [12] 12. The acrylic rubber-modified copolymer of claim 10, wherein the alkyl methacrylate having 1-4 carbon atoms in the alkyl group is at least one selected from the group consisting of methyl methacrylate, ethyl methacrylate, propyl methacrylate, isopropyl methacrylate and butyl methacrylate. [13] 13. The acrylic rubber-modified copolymer of claim 10, wherein the alkyl acrylate having 1-4 carbon atoms in the alkyl group is at least one selected from the group consisting of ethyl acrylate, methyl acrylate and butyl acrylate. [14] 14. The acrylic rubber-modified copolymer of claim 7, which has a rubber

particle size ranging from 800 to 6,000 Å.